

The Specialist Centre for Biotechnology Training

Microscopy Techniques

Dates: 26th June 2009
28th September 2009

Course Description

Course Objective

This workshop provides a strong background and practical skills in the microscopy techniques required for monitoring and counting the most common host cell lines, such as mammalian, hybridoma, insect/baculovirus, bacterial and yeast cell cultures. Also, additional aspects such as selective staining methods to identify contaminants (for example mycoplasmas) will be discussed.

Course Outline

- General introduction and safety precautions
- Introduction to biotechnology/cell culture
- Overview of microscopes
- Using microscopes in cell culture
- Typical microscopes and microscopic methods Experimental work
- Staining methods

For Whom

- Science graduates looking for practical laboratory skills in Microscopy (ie. no experience)
- People looking for a change in career
- Lab staff not trained in microscopy techniques
- Lab staff seeking to update their skills
- Post-graduate students

Certificate of Participation

Awarded to participants who have achieved 75% attendance for the course.

Outcomes

- Have an understanding of the applications of cell culturing
- Be familiar with the basic laboratory equipment and microscopes
- Know the most important protocols for monitoring of cell growth and quality
- Learn the specific staining methods to identify contaminations
- Be familiar with aseptic sampling
- Have an overview of specialized microscopy techniques

Course information

Course code:	BIO 07
Course fee (incl GST):	\$660.00
Maximum class size:	15 participants
Time:	9.00am – 5.00pm
Total course duration:	8 hours (inc. lunch)

Venue:

Building 8, Level 3, Room to be advised
Box Hill Institute,
465 Elgar Road,
Box Hill